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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,513	02/10/2004	Fok Kei Loo	MR2349-986	8696
4586	7590	03/10/2006	EXAMINER	
ROSENBERG, KLEIN & LEE 3458 ELLICOTT CENTER DRIVE-SUITE 101 ELLICOTT CITY, MD 21043			SUN, SCOTT C	
			ART UNIT	PAPER NUMBER
			2182	

DATE MAILED: 03/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/774,513	LOO, FOK KEI	
	Examiner	Art Unit	
	Scott Sun	2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 February 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-6 rejected under 35 U.S.C. 103(a) as being unpatentable over Chong et al (PG Pub #2004/0187157) in view of Ishimaru (PG Pub #2003/0076438)

3. Regarding claim 1, Chong discloses a multimedia playback device (figure 1, figure 2) with a USB controller, for connection of an external USB memory device thereto, comprising: a digital camera module (A/V recording module 140, figure 1; camera 36, figure 2) used to capture an image (paragraph 18); an MP3 player module (audio playback module 130) used to process and playback an audio signal (paragraph 17); a first controller (main control unit 210) connected to the digital camera module and the MP3 player module to control and process a digital signal (paragraph 22); and a USB interface (USB data interface 330) connected to the second controller and the USB memory device.

Chong does not disclose explicitly a second controller. However, Ishimaru discloses multimedia playback device (figure 1) comprising a second controller (USB controller 85) connected to the first controller and used to control access of the USB memory device (paragraphs 56, 59). Teachings of Chong and Ishimaru are from the same field of multimedia devices and specifically of multi-function devices.

Therefore, it would have been obvious at the time of invention for a person of ordinary skill in the art to combine teachings of Chong and Ishimaru by using a USB controller in the system of Chong for the benefit of processing USB data without using the main CPU.

4. Chong and Ishimaru combined disclose claim 1, and Chong further discloses a memory (internal storage 240) to connected to the first controller and used to store data (paragraph 25).

5. Chong and Ishimaru combined disclose claim 1, and Chong further discloses a liquid crystal display (LCD 220) connected to the first controller and used to show a data message (paragraph 23).

6. Chong and Ishimaru combined disclose claim 1, and Chong further discloses wherein the digital camera module comprises: an image sensing element used to capture the image and produce an analog image signal; and an analog/digital converter connected to the image sense element and used to convert the analog image signal into a digital image signal (paragraph 18). Examiner notes that camcorders by definition contain the above elements and perform the respective functions.

7. Chong and Ishimaru combined disclose claim 1, and Chong further discloses wherein the MP3 player module comprises: an MP3 decoder; a digital/analog converter connected to the MP3 decoder and used to convert a data type of signal from the MP3 decoder; and an earphone socket connected to the digital/analog converter for connection of an external earphone thereto (paragraph 17, 35). Examiner notes that

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MP3 players by definition contain the above elements and perform the respective functions.

8. Chong and Ishimaru combined disclose claim 1, and Ishimaru further discloses wherein the second controller is one of a USB 2.0 compliance host controller and an OTG controller (paragraph 31). Examiner notes that the USB standard have specifications for each version (1.0, 2.0, etc) that identify the implementation of data transfer. It would be obvious for a person of ordinary skill in the art at the time of invention to use controller from any version, including 2.0, in light of the teachings of Ishimaru.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Sun whose telephone number is (571) 272-2675. The examiner can normally be reached on M-F, 10:30am-7pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim N. Huynh can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SS

3/2/2006



KIM HUYNH
SUPERVISORY PATENT EXAMINER
3/2/06